

IN THE CLAIMS:

1. (Original) A method for changing a mode of a card connected to an interface of a terminal, which card comprises at least one dormant mode and a normal mode, in which method a command for setting the normal mode is transmitted to the card to change the mode of the card from said at least one dormant mode to the normal mode, the card generates an interrupt request related to the change in the mode of the card, to be transmitted via the interface to the terminal at the stage when the card shifts to the normal mode, wherein the interrupt request, received from the card and relating to the mode change, is processed in the terminal.
2. (Original) The method according to claim 1, wherein the interface is provided with one or more signal lines, wherein one of said signal lines of the interface is used for transferring said interrupt request to the terminal.
3. (Original) The method according to claim 2, wherein a state of the signal line used for the transfer of said interrupt request is set in a first logical state after the command to set the normal mode has been received in the card, and that the state of the signal line used for the transfer of said interrupt request is set in a second logical state after the normal mode is in use in the card.
4. (Original) The method according to claim 2, wherein at least one of said signal lines is a data line, and that said interrupt request is transmitted on said data line.
5. (Original) The method according to claim 1, wherein after receiving said command to set the normal mode, an acknowledgement about the reception of the command is transmitted from the card to the terminal.
6. (Original) The method according to claim 1, wherein said terminal used is a wireless terminal provided with mobile station functions.
7. (Original) A system comprising a terminal and a card which can be connected to an interface of the terminal and which card comprises at least one dormant mode and a normal mode, and which system comprises means for transferring a command to set the normal mode to the card, for changing the mode of

the card from said at least one dormant mode to the normal mode, and means for generating an interrupt request relating to the change of the mode and for transferring it via the interface from the card to the terminal, and that the terminal comprises an interrupt processor for processing the interrupt request which has come from the card and which relates to the mode change.

8. (Original) The system according to claim 7, wherein the interface is provided with one or more signal lines, wherein one of said signal lines of the interface is arranged to be used for transferring said interrupt request to the terminal.

9. (Original) The system according to claim 8, wherein a state of the signal line used for the transmission of said interrupt request is arranged to be set in a first logical state after the command to set the normal mode has been received in the card, and that a state of the signal line used for the transfer of said interrupt request is arranged to be set in a second logical state after the normal mode is in use in the card.

10. (Original) The system according to claim 8, wherein at least one of said signal lines is a data line, and that said interrupt request is arranged to be transferred on said data line.

11. (Currently Amended) The system according to claim 8, the interface comprising at least one card connection for connecting athe card to the terminal, and said at least one card connection comprising at least the following lines:  
one data line for the transfer of data between the terminal and the card,  
one command line for the transmission of commands from the terminal to the card and for the transmission of responses from the card to the terminal, and  
one clock line for the transmission of a clock signal from the terminal to the card.

12. (Original) The system according to claim 7, wherein after receiving said command to set the normal mode, an acknowledgement about the reception of the command is arranged to be transmitted from the card to the terminal.

13. (Original) A card which is arranged to be connected to an interface of a terminal and which card comprises at least one dormant mode and a normal mode

and means for processing a command to set the normal mode, said command coming via the interface of the terminal, for changing the mode of the card from said at least one dormant mode to the normal mode, and means for generating an interrupt request relating to the change in the mode of the card.

14. (Original) The card according to claim 13, comprising means for transferring the interrupt request via the interface of the terminal to the terminal.

15. (Original) The card according to claim 13, wherein the interface is provided with one or more signal lines, wherein the card comprises a bus connection block for transferring said interrupt request to the terminal on one of said signal lines of the interface.

16. (Original) A memory card which is arranged to be connected to an interface of a terminal and which memory card comprises at least one dormant mode and a normal mode and means for processing a command to set the normal mode, said command coming via the interface of the terminal, for changing the mode of the memory card from said at least one dormant mode to the normal mode, and means for generating an interrupt request relating to the change in the mode of the memory card.

17. (Currently Amended) A terminal provided with an interface for connecting a card to ~~at~~the terminal, which card comprises at least one dormant mode and a normal mode, and which terminal comprises an interface for transferring a command to set the card in the normal mode, for changing the mode of the card from said at least one dormant mode to the normal mode, wherein the terminal comprises means for ~~transmitting~~receiving an interrupt request, relating to the mode change and generated by the card, via the interface from the card to the terminal, and that the terminal comprises an interrupt processor for processing the interrupt request coming from the card and relating to the mode change.

18. (Original) The terminal according to claim 17, wherein the interface is provided with one or more signal lines, that at least one of said signal lines is a data line, and that said interrupt request is arranged to be transferred on said data line, wherein the terminal comprises a coupling block for transferring the interrupt request

from said data line to said interrupt processor.

19. (Currently Amended) A mobile station provided with an interface for connecting a card to ~~a~~the mobile station, which card comprises at least one dormant mode and a normal mode, and which mobile station comprises an interface for transferring a command to set the card in the normal mode, for changing the mode of the card from said at least one dormant mode to the normal mode, wherein the mobile station comprises means for transmitting an interrupt request, relating to the mode change and generated by the card, via the interface from the card to the mobile station, and that the mobile station comprises an interrupt processor for processing the interrupt request coming from the card and relating to the mode change.

20. (New) The method of claim 1, wherein said interrupt request processed in the terminal comprises detecting said interrupt request and starting said terminal for using the card in said normal mode before a predetermined maximum time expires for receiving said interrupt request from said card.

21. (New) The system of claim 7, wherein in response to said interrupt request, said processor is for using said card in said normal mode before a predetermined maximum time for said generating said interrupt request expires.

22. (New) the card of claim 13, wherein said card is for use in said normal mode by said terminal before a predetermined maximum time for said generating said interrupt request expires.

23. (New) The memory card of claim 16, wherein said card is for use in said normal mode by said terminal before a predetermined maximum time for said generating said interrupt request expires.

24. (New) The terminal of claim 17, wherein said card is for use in said normal mode by said terminal before a predetermined maximum time for said transmitting said interrupt request expires.

25. (New) The mobile station of claim 19, wherein said card is for use in said

normal mode by said terminal before a predetermined maximum time for said transmitting said interrupt request expires.

26. (New) The method of claim 20, further comprising preventing said terminal from waiting for said interrupt request beyond said predetermined maximum time.

27. (New) The system of claim 21, wherein said interrupt processor is prevented from waiting for said interrupt request beyond said predetermined maximum time.

28. (New) The card of claim 22, wherein said means for generating said interrupt request does so within a predetermined maximum time beyond which said terminal will consider the card defective or in need of booting.

29. (New) The memory card of claim 23, wherein said means for generating said interrupt request does so within a predetermined maximum time beyond which said terminal will consider the card defective or in need of booting.

30. (New) The terminal of claim 24, wherein said interrupt processor is prevented from waiting for said interrupt request beyond said predetermined maximum time.

31. (New) The mobile station of claim 25, wherein said interrupt processor is prevented from waiting for said interrupt request beyond said predetermined maximum time.

32. (New) Mode shifting method for a mobile terminal having a card interface for interfacing a card thereto for use after a command has been sent from the terminal to the card to return from a dormant mode to a normal mode, comprising:

the terminal receiving a signal from the card informing the terminal directly in response to said command that the card has shifted to the normal mode, and  
the terminal starting to use the card in a normal way in response to said card informing the terminal that the card has shifted to the normal mode.

33. (New) The method of claim 32, further comprising the terminal determining after a predetermined maximum time period after sending said command without

said card informing the terminal that the card has shifted to the normal mode that the card is defective or attempting to reboot the card.

34. (New) Mobile terminal having a card interface for interfacing a card thereto, comprising:

an interface (11) for receiving a signal from the card after a command has been sent from the mobile terminal to the card to return from a dormant mode to a normal mode indicative of the card shifting to the normal mode; and

a processor (2) for starting to use the card via said interface in a normal way in response to said card informing the terminal that the card has shifted to the normal mode.

35. (New) The mobile terminal of claim 34, wherein said processor determines after a predetermined maximum time period after sending said command without said card informing the terminal that the card has shifted to the normal mode that the card is defective or in need of rebooting.

36. (New) Method for use by a card interfacing to a mobile terminal via a card interface in said terminal, comprising:

receiving a command from said terminal to shift from a dormant mode to a normal mode, and

after shifting from said dormant mode to said normal mode, sending a signal to the terminal indicative of said card shifting from said dormant mode to said normal mode.

37. (New) Card for interfacing to a mobile terminal via a card interface in said terminal, comprising a control device (17), responsive to a command (11b) received over a connection (16) from said terminal to shift from a dormant mode to a normal mode, for storing said command in a buffer for interpreting said command as a command to shift to said normal mode from said dormant mode, for setting said card to said normal mode and for sending an interrupt via said connection to said terminal indicative of said shift.